Nuclear Material Stabilization and Disposition (RL-0011)

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Process equipment removal from glovebox HA-23S



Completed PRF column glovebox cleanout

Overview

This section addresses work in Project Baseline Summary (PBS) RL-0011, *Nuclear Material Stabilization and Disposition*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of September 2008.

Top FY 2008 Accomplishments

- Completed stabilization activities on the 232-Z duct in the 291-Z building in December 2007.
 - Polyurea was applied to stabilize the abandoned 232-Z duct in Building 291-Z.
- Completed 216-Z-9 Facility Condition Analysis in December 2007.
- Issued the Removal Action Work Plan (RAWP) for the removal of the 216-Z-9 structures to DOE-RL on April 25, 2008.
- Completed process equipment removal on glove box HA-23S on May 13, 2008.
- Completed cleanout of PRF column glove box 42 on August 14, 2008.

Notable September Accomplishments

- Completed FY08 progress toward de-inventory of PFP DOE-STD-3013 containers.
 - Reconciled planned versus action shipment through September 2008.
- Issued contract for fabrication of 13 Hanford Unirradiated Fuel Package (HUFP) shipping containers.
- Completed process equipment removal from the Plutonium Reclamation Facility (PRF) column gloveboxes 50 and 60 to the point that CA and CC column removal work was initiated.
- Resumed planning activities for 234-5Z Active Remote Mechanical A and Remote Mechanical C (RMA/RMC) D&D scope.

FY 2008 Funds vs. Actuals (\$M)

	September 2008 Actual Funding	FY 2008 Actual Costs	Variance
Nuclear Materials Stabilization and Disposition	\$ 89.1	\$ 81.0	\$ 8.1

Schedule/Cost Performance (\$M)

Nuclear Materials Stabilization & Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion (FY08/ CTD)
Current Period (Month)	\$6.2	\$8.7	\$9.7	\$2.5	40.2%	-\$0.9	-10.8%	\$87.4
Cumulative to Date (FY 2004 - Present)	\$671.3	\$670.6	\$627.5	-\$0.7	-0.1%	\$43.1	6.4%	\$671.3

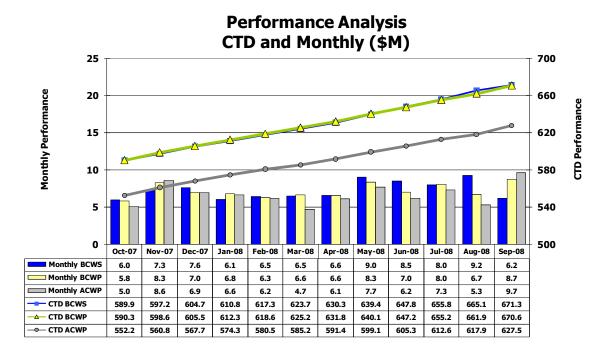
CTD Schedule Performance: (-\$0.7M/-0.1%): The unfavorable schedule variance is primarily the result of:

- Delay in award of HUFP fabrication contract as well as revised delivery schedule for long lead materials.
- Delays in FY 2008 lay-up activities (acid line draining) due to resource constraints

CTD Cost Performance: (+\$43.1M/+6.4%): The positive cost variance is due to:

- A concerted effort to extend maintenance frequencies, efficient roof repair, early completion of MICON recabling under cost, partially offset by recent increased maintenance activities associated with aging facility systems and components.
- Early completion of Special Nuclear Material (SNM) Stabilization.
- Efficiencies in miscellaneous materials disposition work, reduced resource requirements for SNM deinventory activities, and SNM disposition planning, partially offset by increased costs for planned disposition of unirradiated fuels.
- Favorable Solid Waste disposition rates, efficiencies in glovebox planning and cleanout in 234-5Z,
 241-Z cell stabilization, and associated apportioned support activities.
- Reduced overhead costs/allocations to the PFP Project.

Schedule/Cost Performance, continued (\$M)



Milestone Achievement

Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The FY 2008 Enforceable Agreement milestone and Performance Incentives (PIs) information provided herein is based upon the current baseline including RL-approved changes. Changes from month-to-month in both the total number of milestones to be completed and in the forecast status of upcoming milestones are the result of Baseline Change Requests (BCRs) approved during the reporting period.

Number	Milestone Title	Туре	Due Date	Actual Date	Forecast Date	Status/ Comments
TRP-08-004	Removal Action Work Plan for the 216-Z-9 Crib Complex Submitted to DOE	ΡI	9/30/2008	4/14/2008		Complete
TRP-08-005	Implement the Necessary Lay-up Activities to Place PFP in a Safe Configuration Until D&D Resumes	ΡI	9/30/2008	12/6/2007		Complete
TRP-08-006	Internal cleanout of up to 9 additional contaminated gloveboxes and glovebox HA-23	ΡI	9/30/2008	5/13/2008		Complete
TRP-08-025	Complete 216-Z-9 Facility Condition Analysis by 30 September 2008	ΡI	9/30/2008	12/6/2007		Complete
TRP-08-027	Complete internal cleanout of one 234- 5Z glovebox/conveyer	ΡI	9/30/2008	11/13/2007		Complete
TRP-11-502	Complete Closure of the PFP 241-Z TSD Unit	ΡI	9/30/2011	2/22/2007		Complete
TRP-11-503	Complete Transition and Dismantlement of 241-Z Waste Treatment Facility	PI	9/30/2011	6/8/2007		Complete